Welcome to the SPAWAR/Industry Executive Network

Wednesday, 03 March 2004

Admiral Kidd Conference Center

Alignment Initiatives
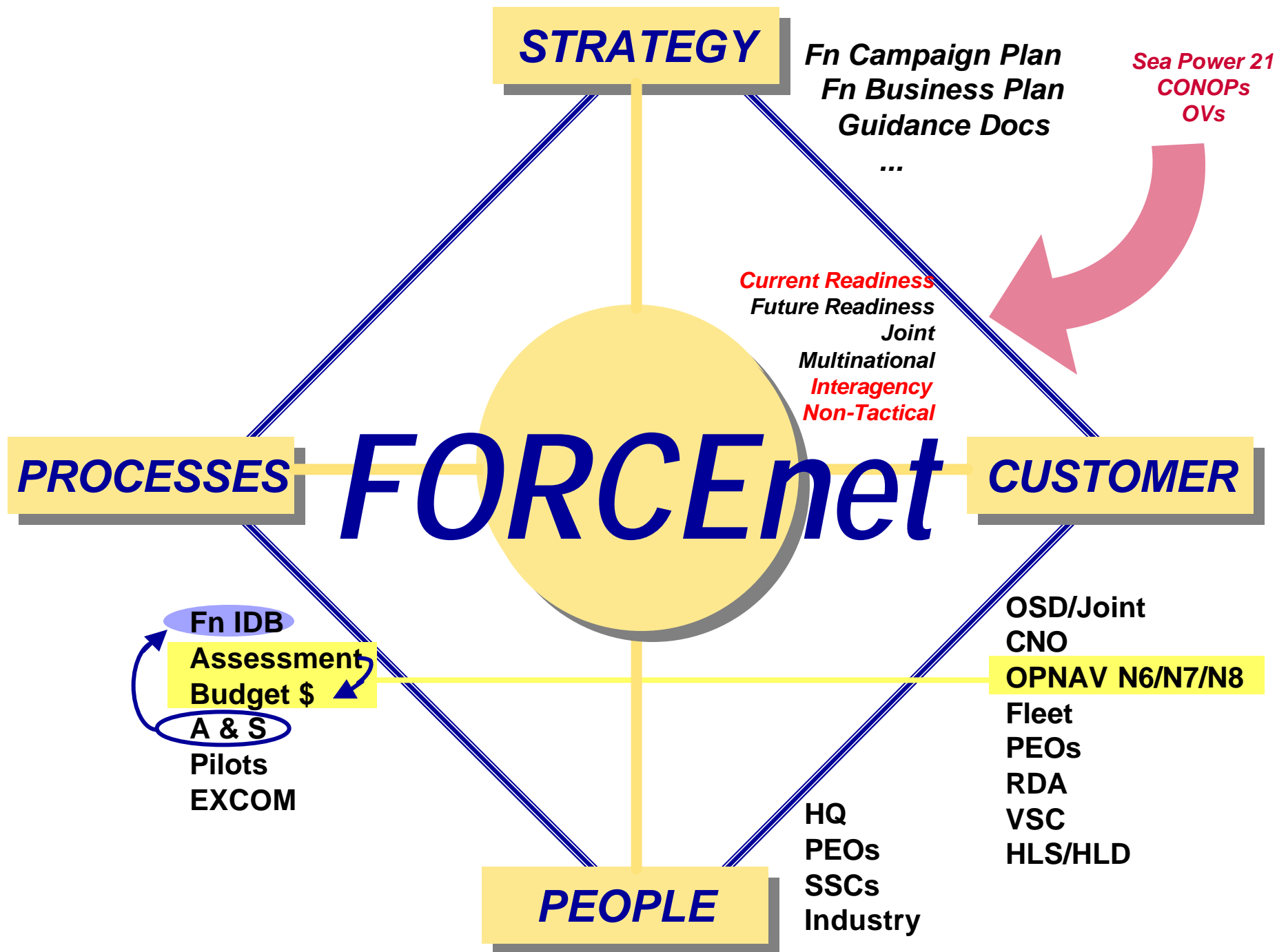
Presented to SIEN
3 March 2004

STRATEGY

Fn Campaign Plan
Fn Business Plan
Guidance Docs
...

Sea Power 21
CONOPs
OVs

Current Readiness
Future Readiness
Joint
Multinational
Interagency
Non-Tactical

PROCESSES

FORCEnet

CUSTOMER

Fn IDB
Assessment
Budget $
A & S
Pilots
EXCOM

OSD/Joint
CNO
OPNAV N6/N7/N8
Fleet
PEOs
RDA
VSC
HLS/HLD

HQ
PEOs
SSCs
Industry

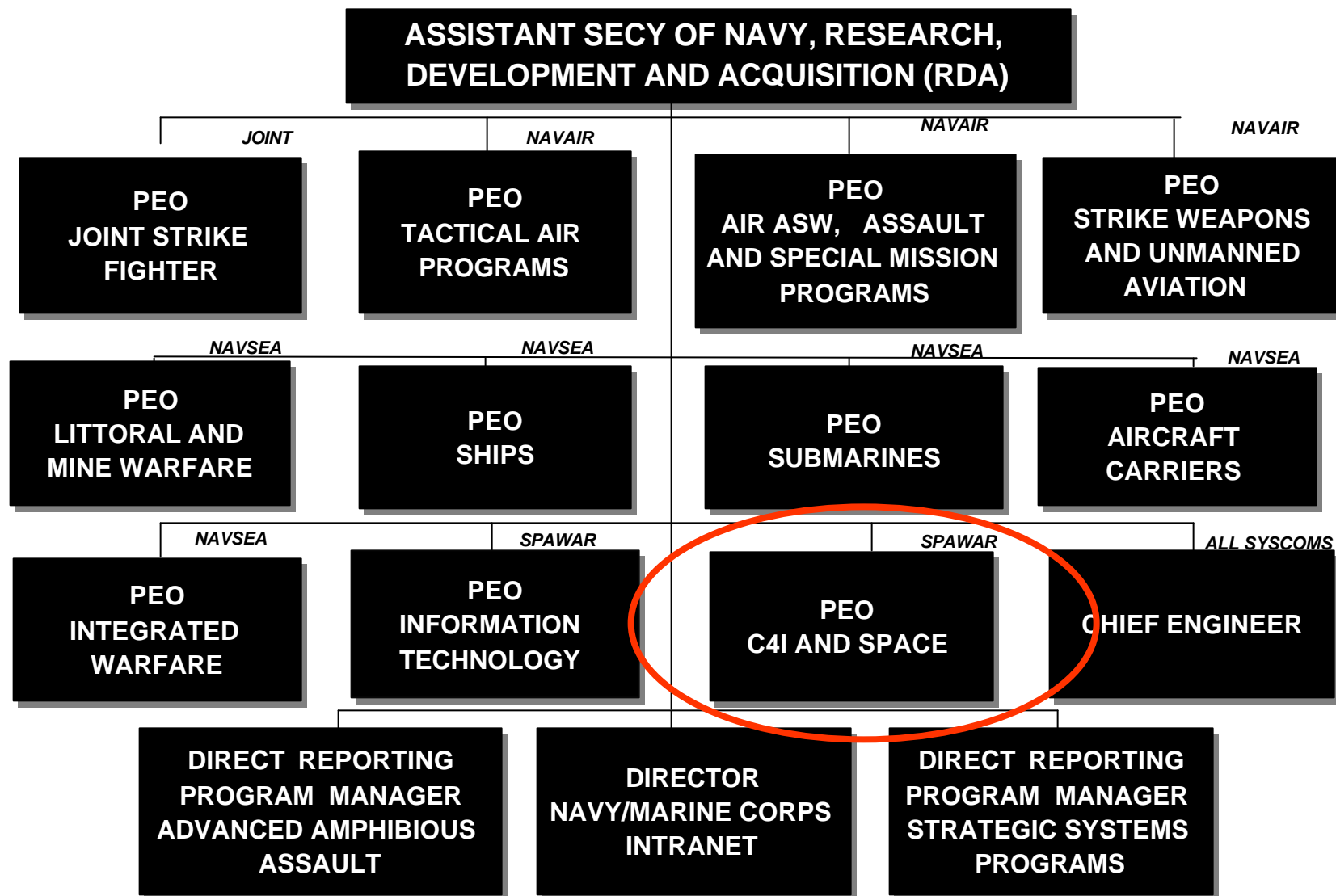**PEOPLE**

**Program Executive Office
PEO C4I and Space**

SPAWAR/Industry Executive Network

**03 March 2004
Mr. Jim Churchill
Director of Operations
PEO C4I&Space**

- ❖ Organizational Profile
- ❖ Guiding Principles & Values
- ❖ Strategic Goals & Focus Areas
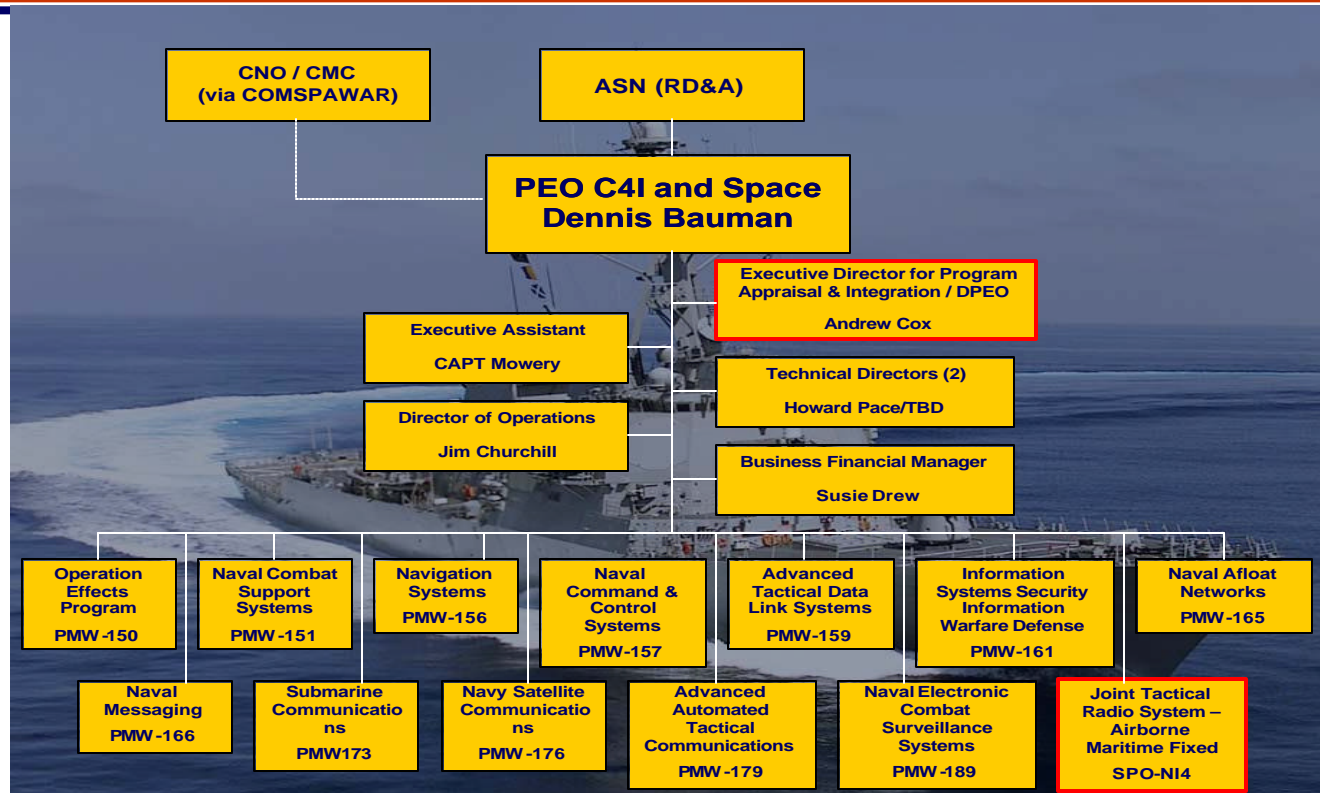- ❖ Transformational C4I Capabilities for the Joint Warfighter
- ❖ Questions

The Navy's Acquisition Structure

SPAWAR

ASSISTANT SECY OF NAVY, RESEARCH, DEVELOPMENT AND ACQUISITION (RDA)

JOINT
PEO JOINT STRIKE FIGHTER

NAVAIR
PEO TACTICAL AIR PROGRAMS

NAVAIR
PEO AIR ASW, ASSAULT AND SPECIAL MISSION PROGRAMS

NAVAIR
PEO STRIKE WEAPONS AND UNMANNED AVIATION

NAVSEA
PEO LITTORAL AND MINE WARFARE

NAVSEA
PEO SHIPS

NAVSEA
PEO SUBMARINES

NAVSEA
PEO AIRCRAFT CARRIERS

NAVSEA
PEO INTEGRATED WARFARE

SPAWAR
PEO INFORMATION TECHNOLOGY

SPAWAR
PEO C4I AND SPACE

ALL SYSCOMS
CHIEF ENGINEER

DIRECT REPORTING PROGRAM MANAGER ADVANCED AMPHIBIOUS ASSAULT

DIRECTOR NAVY/MARINE CORPS INTRANET

DIRECT REPORTING PROGRAM MANAGER STRATEGIC SYSTEMS PROGRAMS

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PEO C4I and Space
ORGANIZATIONAL PROFILE

Mission: Acquire, Integrate, Deliver and Support Interoperable C4I & Space Capabilities Enabling Seamless Operations for Fleet, Joint and Coalition Warfighters

Vision: Be the Preeminent Provider of Transformational Network Centric Warfare Capability Enabling Decision Superiority

➢ Responsible for all aspects of life-cycle management

➢ Report to ASN RD&A for acquisition responsibilites of assigned programs;

➢ Report to CNO / CMC (through SYSCOM Commander) for in service support

➢ Total control of available resources - $2.1B annual budget (approx)

PEO C4I and Space
Industrial Base

SPAWAR

WASHINGTON
- Microsoft

UTAH
- L-3 Communications West

MINNESOTA
- Lockheed Martin Tactical Systems
- UNISYS

INDIANA
- Raytheon

NEW YORK
- Lunn Industries
- Millitech

NEW HAMPSHIRE
- BAE Systems
- D.G. O'Brien
- Granite State Manufacturing

PENNSYLVANIA
- Northrup Grumman IT
- Penn State
- Valley Tech Inc.

MASSACHUSETTS
- General Dynamics Raytheon Network Centric Systems
- Sippican, Inc.
- TRITON Systems

CALIFORNIA
- ACS
- Bearing Point
- Boeing
- Booz Allen Hamilton
- Brandywine Comms
- CACI
- C-Cubed
- Comglobal
- Compaq
- Cubic Defense Apps
- DCS
- Fuentez Systems Concepts
- G2 Software Systems
- GE Americom
- Global Knowledge
- Hewlett Packard
- Hughes Global Services
- ManTech
- Maxim
- New Age
- Northrup Grumman IT
- Ocean Systems Engr.
- Promia Inc.
- RCI
- SAIC
- SIM
- SIR
- Sybase
- Sun Micro Systems
- Tele Consultants, Inc.
- Titan – CCSD/CEG
- ViaSat
- Vredenberg

NEW JERSEY
- DLS
- Northrup Grumman
- TiFab

DC
- INTELSAT
- Overlook Corp.
- SIM

VIRGINIA
- Booz Allen Hamilton
- CACI
- C-Cubed
- Engineering Tech Apps
- GTSI
- Lockheed Martin
- ICE Comms.
- ManTech
- MITRE
- Mobile FOUNDATION
- New Age Systems
- Northrup Grumman IT
- Raytheon Systems Corp.
- SAIC
- Titan - CEG

NORTH CAROLINA
- Avaya

COLORADO
- COMTECH

ARIZONA
- General Dynamics Decision Systems
- Motorola
- Thorpe Seeop

TEXAS
- APC
- CEC
- Dell Corp.
- EDS
- Knowedge Based Systems
- Southwest Research Inst.
- TICOM

KANSAS
- KalScott Engineering

LOUISIANA
- Neptune Science, Inc.

SOUTH CAROLINA
- AMSEC
- ATG
- Dataline
- TDS
- SAIC
- SIM

FLORIDA
- DRS
- Harris Corp
- Raytheon C3I Consolidated

GEORGIA
- ViaSat

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1. Act with Integrity

2. Remember for Whom we Work

3. Understand and Value Checks and Balances

4. Execute With Excellence

❖ **Transform our systems so that the entire enterprise can be operated as a single warfighting "weapon"**

➢ **Develop a capability roadmap transforming NCW concepts to an implementation plan enabling seamless operations for the Fleet**

❖ **Execute Our Responsibility**

➢ **Improve Program Stability**

➢ **Perform Independent Cost estimates**

➢ **Appropriate Acquisition Oversight for all Programs/Projects**

➢ **Optimize testing processes**

❖ **Increase Our Effectiveness and Efficiency**

➢ **Focus on the 5 "P's" (People, Performance, Process, Planning and Product)**

❖ **Grow a Capable and Versatile Workforce**

➢ **Defining Career paths and leadership progression**

➢ **Establish a Mentorship program**

➢ **Defined Training objectives**

➢ **Increased Vertical and Horizontal Communications**

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❖ Program Stability

❖ Cost Performance

- **Evolutionary Acquisition**
- **Installations**
- **Contracting strategies**

❖ Develop Our People

❖ Improved Metrics aligned to

- **President's Management Agenda**
- **DoD/DoN FY04 priorities**
- **PEO Focus Areas for FY04**

❖ Rationalize Programs/Projects

- **Selected Projects > Programs of Record**
- **Program Offloading**

SPAWAR

- ❖ **C2:** Command and Control of air, ground, naval, & SOF from 7,000 mi. away: "unique experience in warfare"

  - ➤ Permitted unprecedented real time situational awareness & connectivity

- ❖ **Precision-guided munitions:** a force multiplier

  - ➤ Low **collateral** damage was fundamental factor to achieving objectives

- ❖ **Armed Predator:** demonstrated great potential

  - ➤ will be a high payoff system in the future

- ❖ **Blue Force Tracking/ enhanced C4I systems:** increased lethality and decreased response time

  - ➤ Transformational technologies

> *"C4I Systems are moving from systems that support combat capable platforms, to essential components of the combat systems themselves"*
>
> RADM John Kelly, Commander, Abraham Lincoln Carrier Strike Group

❖ **The DoN Materiel Establishment study recommended strengthening the requirement / budgeting processes to increase acquisition program stability**

➢ Instability affects program planning & progress

➢ Changes the dynamic of the cost/schedule/technical risk equation

➢ Potentially lowers overall effectiveness in meeting mission needs

❖ **Program instability was identified as the most significant impediment to increased efficiencies**

➢ Instability causes PM to enter into multiple excursions during planning and execution

➢ Takes "eye off the ball"

➢ Stresses limited staff resources internally and externally

> *Program stability is a key enabler that must be in place to realize the full benefits of other improvements in program acquisition*

❖ Research & Development

- ➤ *Extensive Cutting edge lab facilities*
- ➤ *Academic talent pool with direct connections with govt and industry facilitates "thinking out of the box"*
- ➤ *Nationally recognized proximate IT industry expertise*

❖ Acquisition Capabilities

- ➤ *Core govt acquisition professionals*
- ➤ *Resident acquisition support/talent from industry*

❖ Fleet/Joint Warfighter

- ➤ *Carrier strike groups, expeditionary strike groups to include USMC operating forces*
- ➤ *Submarine forces*
- ➤ *Naval air forces*
- ➤ *Special forces*
- ➤ *Information operations (FIWC-Det)*
- ➤ *Pacific Fleet training center of excellence*
- ➤ *Experimentation capabilities*
- ➤ *Major SoCal OPAREA and Training/Exercise areas*
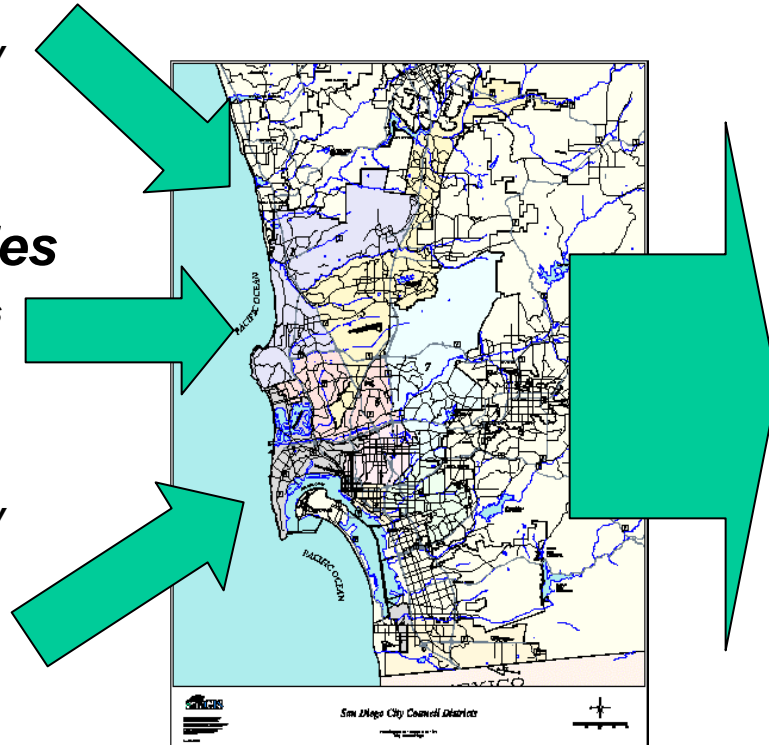
21st Century Warfighting Capabilities

San Diego City Council Districts

Optimally positioned _and_ located to provide transformational capabilities to the joint warfighter

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❖ PEO C4I and Space is aligned to:

> ➤ Acquire & support C4I integrated capabilities <u>today</u>

> ➤ Develop and field transformational C4I capabilities to the joint warfighter <u>tomorrow</u>

> ➤ Streamline our acquisition business practices to maximize effectiveness and efficiency

FORCEnet Update

Presented to SIEN

3 March 2004

- **FORCEnet "The Big Picture"**

- **FORCEnet Architecture & Standards**

- **FORCEnet Implementation Approach**

- **Summary**

What Is FORCEnet?

SPAWAR

FORCEnet **Is the Operational Construct and Architectural Framework for Naval Warfare in the Information Age Which Integrates Warriors, Sensors, Networks, Command and Control, Platforms and Weapons Into a Networked, Distributed Combat Force, Scalable Across the Spectrum of Conflict From Seabed to Space and Sea to Land.***

*CNO's Strategic Study Group - XXI definition from 22 July 02 CNO Briefing

For more information on FORCEnet, please visit the SPAWAR Home Page @
http://enterprise.spawar.navy.mil/
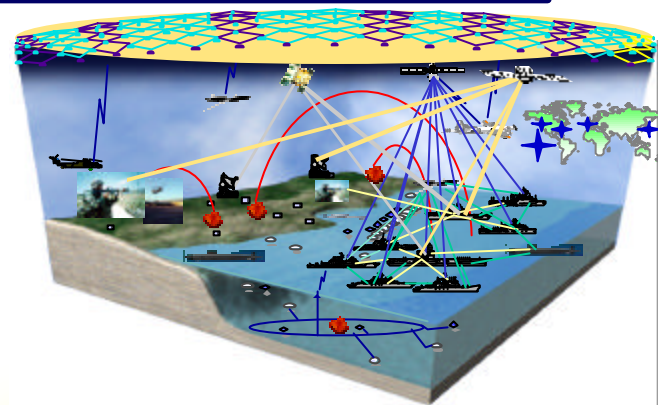
Network Centric Warfare Is the Theory   **Net-centric Operations Is the Concept**

FORCEnet Is the Process of Making the Theory and Concept a Reality

FORCEnet Architecture Vision

FORCEnet Architecture & Standards Volume I (Operational and System Overview) & Volume II (Technical View)

Draft FORCEnet Compliance Checklist

Sea Strike
Projecting Precise and Persistent Offensive Power

Sea Shield
Projecting Global Defensive Assurance

Sea Basing
Accelerating Sustainable Joint Operational Independence

Sea Warrior
Sea Trial
Sea Enterprise

Identify The Top Level Forcenet Functional Requirements / Capabilities.

The FORCEnet Architecture (Detailed In the A&S Vol I & II) Is Being Developed to Identify an Effective and Efficient Migration Strategy That Moves Naval PORs From Their Current Platform/stovepipe Domain To a Future Joint Network Centric Domain

Provides A Mechanism to Assist Programs In Their Migration to Network Centric Warfare.

Architecture Relationships

Global Information Grid (GIG)

JBMC2

SIAP

Net-Centric Enter-prise Services (NCES)

Army Enterprise Architecture

C4ISR Systems

OA Warfare Systems

FORCEnet

USAF C2C
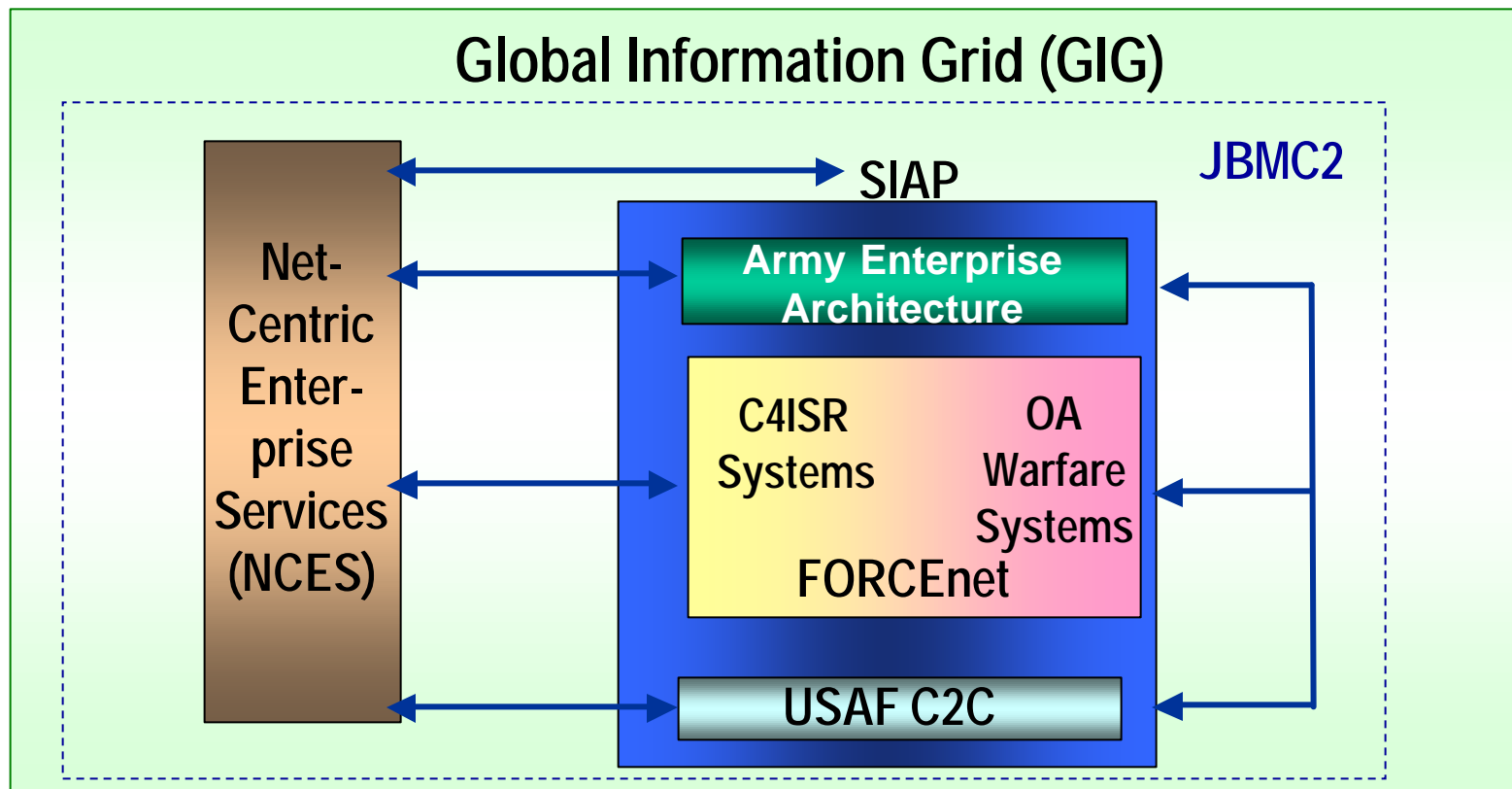
OA is Warfare Systems Element of FORCEnet

FORCEnet Convergence with GIG

SPAWAR

DoN/FORCEnet	1.0	2.0	3.0 — ●	Service Unique Extensions
DoD/GIG	1.0	2.0	3.0 — 3.0	Core
AF C2 Constellation	1.0	2.0	3.0 ●	Service Unique Extensions
Army Enterprise Arch. (AEA)	1.0	2.0	3.0 ●	Service Unique Extensions
Coast Guard/ Deepwater	1.0	2.0	3.0 ●	Service Unique Extensions
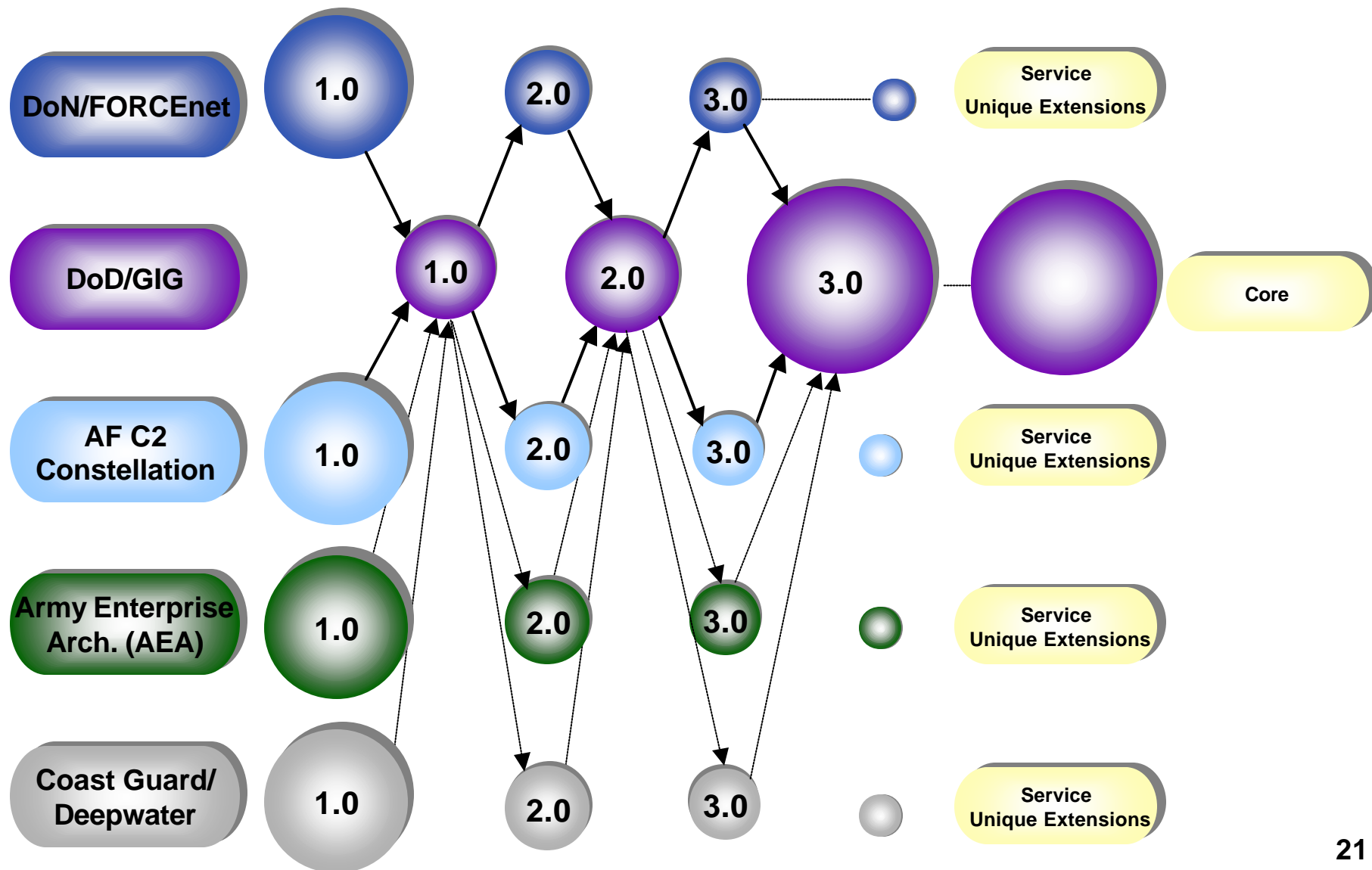
FORCEnet Implementation Approach

- **FORCEnet EXCOMM validated Pilot and Pathfinder Forcing Function Initiatives**

- **Based on Pilot Experiences and Feedback:**
  - Evolve FORCEnet Products (e.g. Architectures & Standards)
  - Mature FORCEnet Insertion Processes (e.g. Assessments)
  - Mature FORCEnet Alignment Mechanisms (e.g. Technical Authority)
  - Provide Constructive Feedback to OSD to Help Mature Joint Thrusts (e.g. NCES)
  - Apply Lessons Learned Across Spectrum of FORCEnet Implementation

- **Validate Concepts Through Sea Trial and Early Fielding**

- **Support and Help Guide Implementation Across the Spectrum of C4ISR and Warfare Systems**
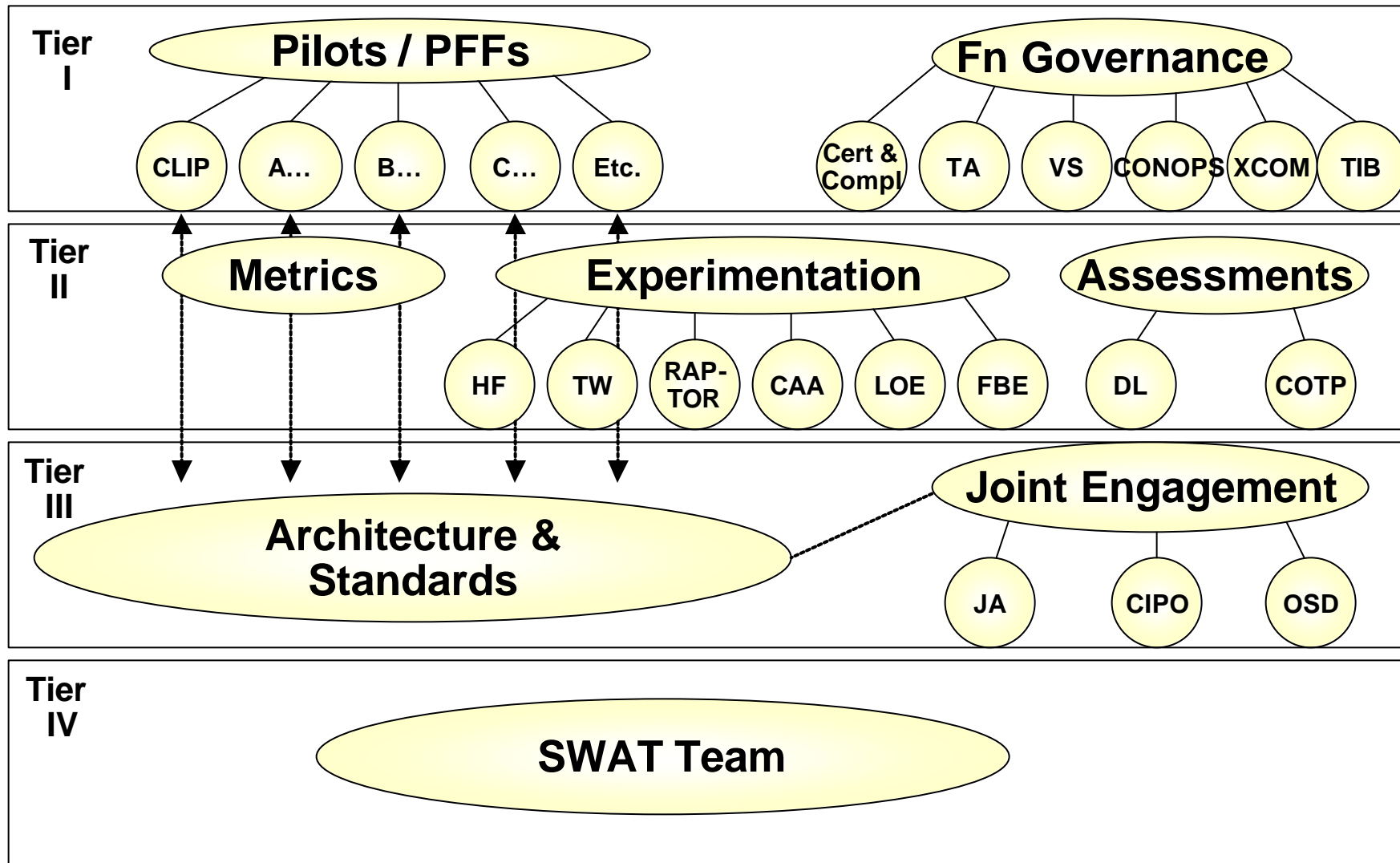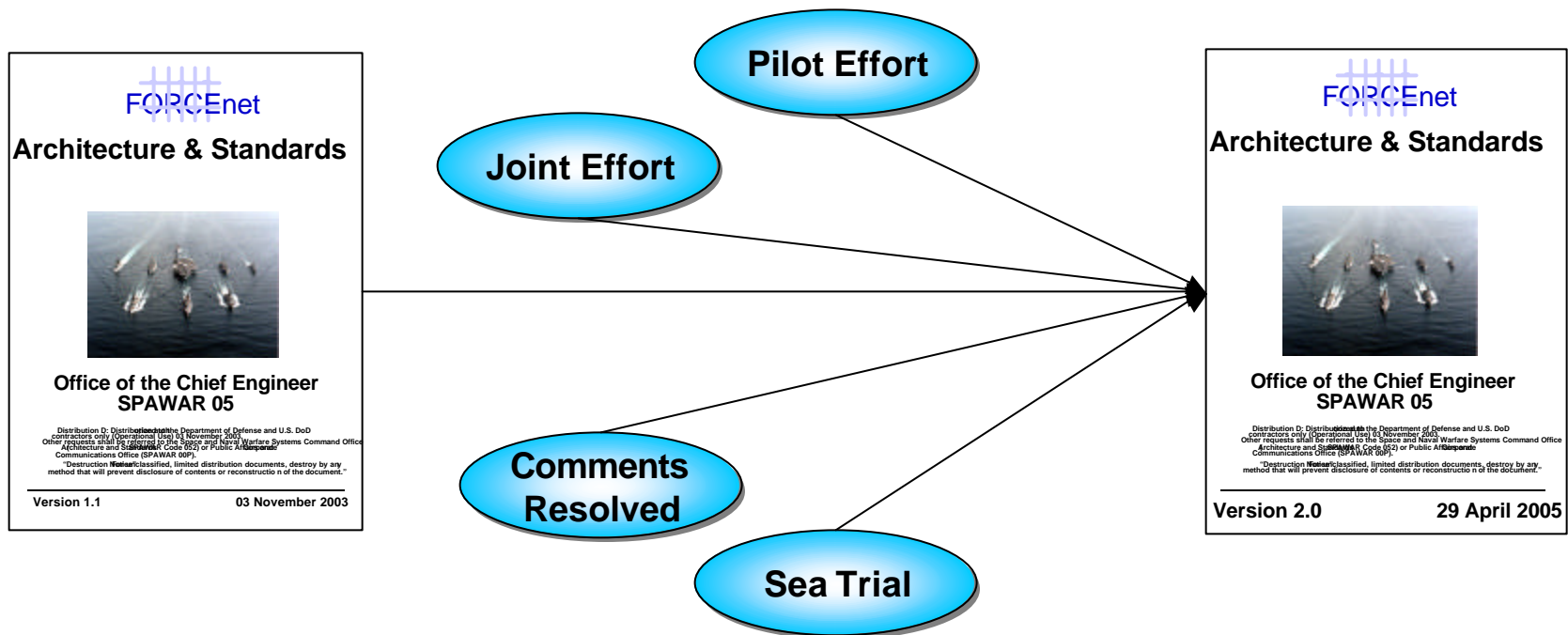
Delivering Enhanced Warfighting Capability Is the End Goal

Putting It All Together

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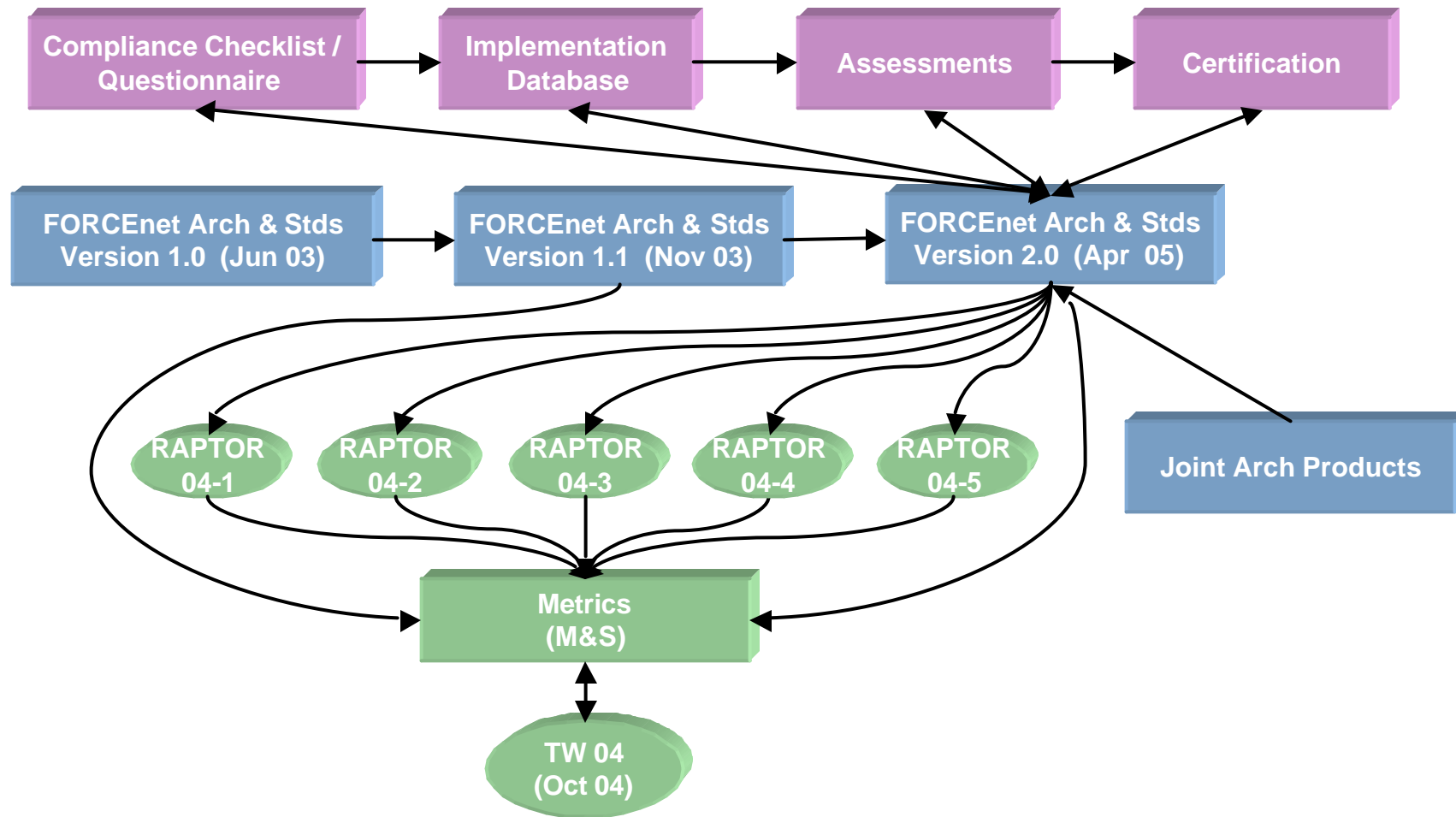
- **Composeability Is a Key Characteristic for FORCEnet**

- **Joint and DoD Alignment Is Underway**

- **FORCEnet EXCOMM Is Driving Implementation Through Programs of Record**

SPAWAR Contracts Directorate Brief

Presented to SIEN

3 March 2004

- **Small Business**

- **New Initiatives**

- **MSA - update**

- **Strategy / Tactical Plan**

Small Business

- **Farewell to Julie Krnc**
- **SDVOSB – sole source**
  - **$3 Mill for services**
  - **$5Mill for other**
- **Revised Size Standards**
  - **Sitting in OFPP**

DoN/DoD Initiatives

- **PBSA**
  - DFARS
  - SPAWAR
- **Commodity Counsels /Contract Consolidation**
  - **Prototype - R6XX Admin services**
- **CSS Tracking**
- **02 Virtual SYSCOM**
- **Profit & Incentive arrangements**
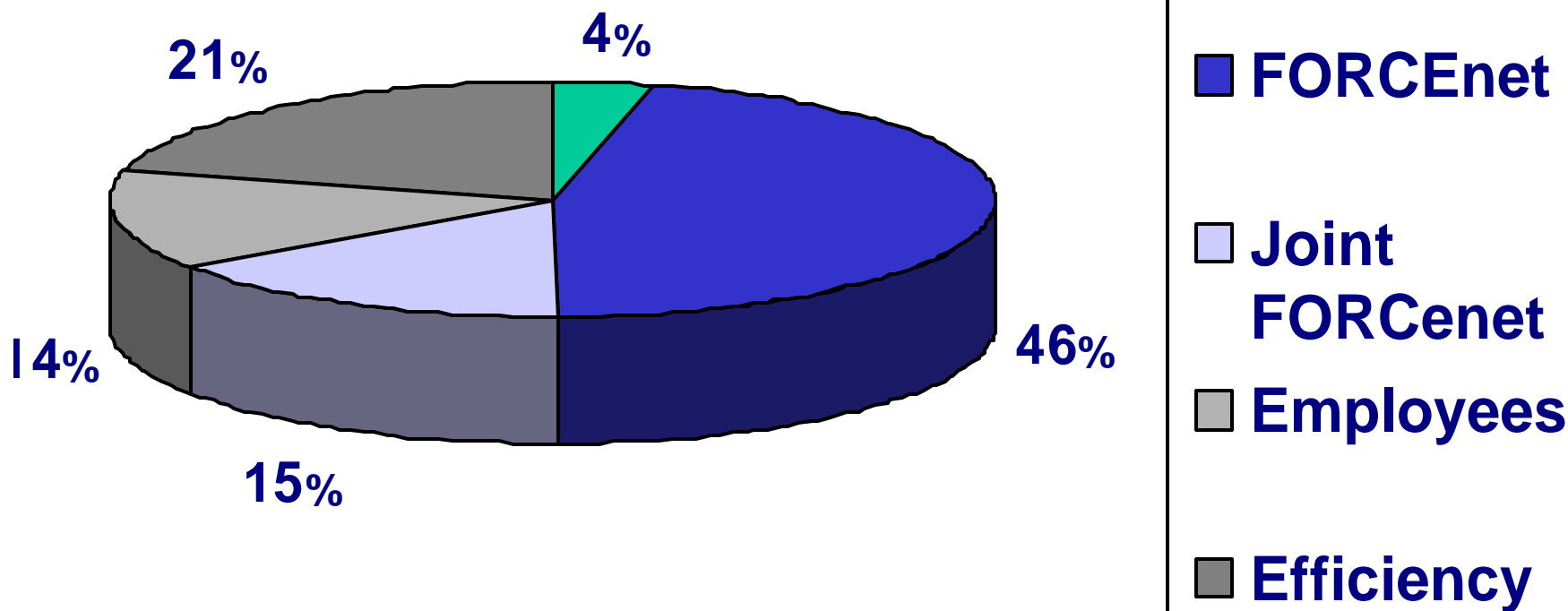- **Section 843 National Defense Appropriation Act**

SPAWAR Strategic Plan

- **Execute FORCEnet**
- **Improve the culture of readiness to encompass the Fleet Response Plan**
- **Transform the SPAWAR Organization to support joint FORCEnet capabilities**
- **Value our people and treat them that way**
- **Drive a culture of efficiency throughout the Claimancy**

Code 02 Tactical Plan Status
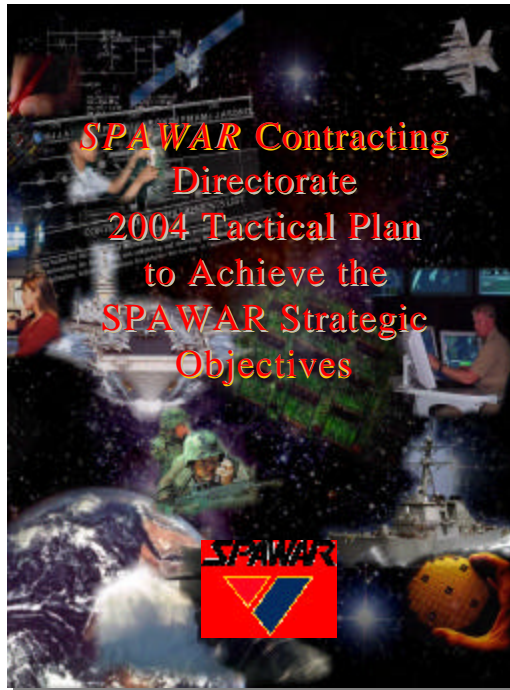## Mapped to SPAWAR Strategic Objectives

1. Execute FORCEnet
- 1a(ii). Customer Satisfaction Index – Customer Annual Survey (5)
- 1a(iii). Customer Satisfaction Index – Milestones Metric (7-16)
- 1c(i). Customer Satisfaction Index – CPARS Metric (41-42)

2. Improve the culture of readiness to encompass the Fleet response Plan (FRP)
- 2a(i). 1102 Series Five Vector Training Continuum (56)

3. Transform the SPAWAR organization to support joint FORCEnet capabilities
- 3a(i). Timekeeping System Metrics – Direct Labor Hours by Customer (18-22)
- 3a(ii). Timekeeping System – Outreach Hours by Customer (31)
- 3b(i). Procurement Dashboard (3)
- 3d(i). Claimancy-wide Procurement Dashboard Metrics (113)
- 3b(ii). Process Improvement Index – Consolidated Service Contracts Metric (65)
- 3b(iii). Process Improvement Index – Efficiency Improvement Metrics (60-63)
- 3c(i). Financial Contribution Index – Industry Spend Analysis Metrics (90-96)

SPAWAR Contracting Directorate 2004 Tactical Plan to Achieve the SPAWAR Strategic Objectives

4. Value our people and treat them that way
- 4a(i). Human Capital Index – Workforce Stability and Qualifications Metrics (46)
- 4b(i). SPAWAR Contracting 2004 Tactical Plan (47)
- 4c(i). Human Capital Index – Employee Annual Survey (47)
- 4e(i). Human Capital Index – Community Service Accomplishments (55)

5. Drive a culture of efficiency throughout the Claimancy
- 5a(i). Financial Contribution Index – Procurement Direct/Indirect Ratio (88) and Cost-to-Obligate (98)
- 5a(ii). Process Improvement Index – Cross-functional PAT Status (83)
- 5a(iii). Process Improvement Index – Personnel ROI/Status (107)
- 5a(iv). Process Improvement Index – E2E Metric (59)
- 5a(v). Timekeeping System – Direct Labor Hours by Task and Rework by Document Type (23-25)
- 5b(i). Process Improvement Index – AMAS Usage Metric (106)
- 5c(i). Timekeeping System – Planned vs. Actual Resource Allocation (32)
- 5c(ii). Financial Contribution Index – Automation ROI/Status (102-5)

FORCEnet

- **13 ACAT 1, 2 ACAT II, 20 ACAT III, 2 P. Mgt, SE&I follow on and 71 Other including NMCI; application hosting and migration**

- **CPARS**

- **FORCEnet Strategy**
    - **RAPIDS**
    - **CAA TW2004**

Culture of Readiness

- ## Sea Warrior-supportive 1102 5 vector model

SPAWAR 1102 Contracts Specialist
Five Vector Training Continuum

DRAFT
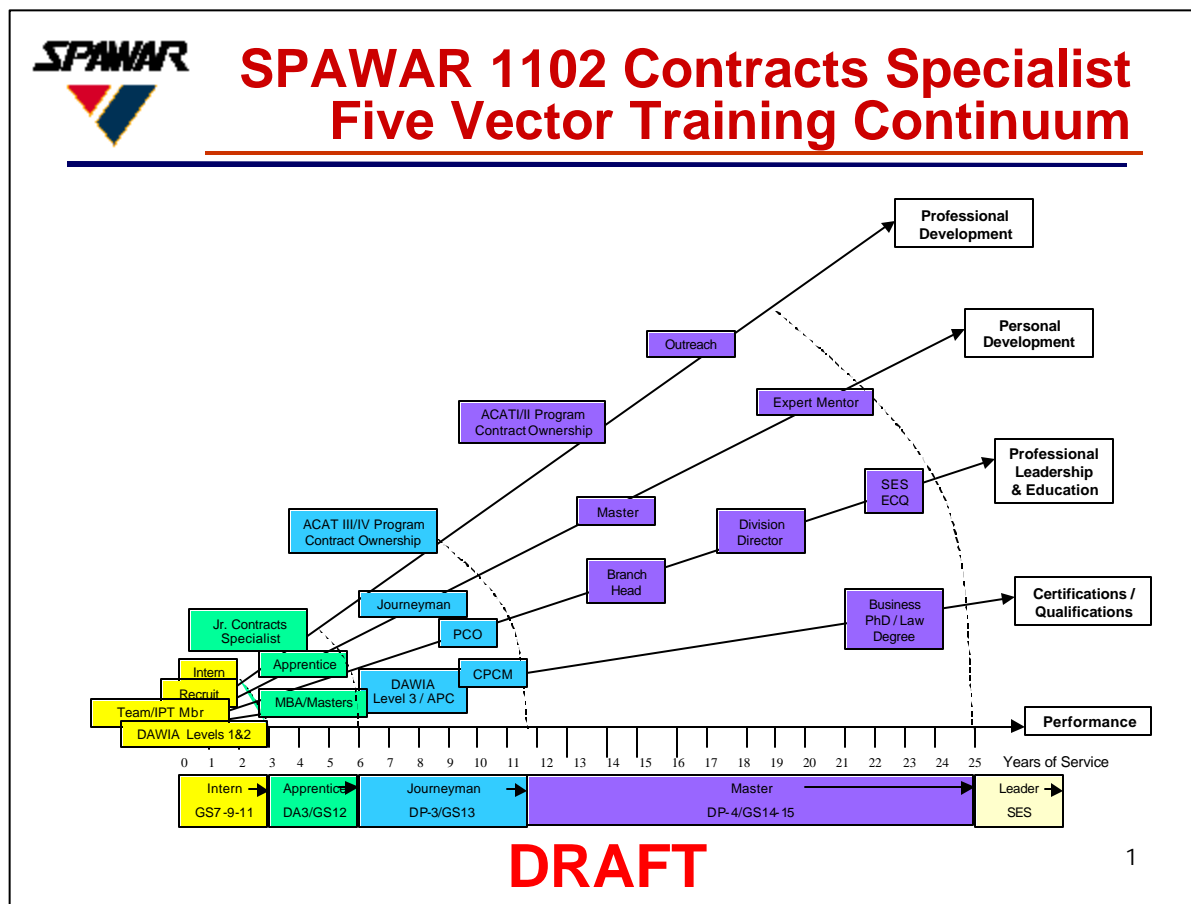
Transform to support Joint Fn capabilities

- **Align with PEO and SPAWAR customers**

- **Support DoD and DoN initiatives**

- **Collaborate with Service Providers**

- **Consistency within Echelon II and III**

- **Recruit, develop and sustain world-class workforce**

- **Communication – Tactical plan**

- **QOS – environmental factors**

- **Leave and community service**

- **Military duties**

Culture of Efficiency

- **Cross Functional PAT**
- **Resource Distribution Tracking**
- **Efficiency through automation**
- **Oversight, policy and product improvement**